

BAR CODE LABEL



## U.S. PATENT APPLICATION

SERIAL NUMBER

07/652,978

FILING DATE

02/08/91

CLASS

435

GROUP ART UNIT

187

APPLICANT

CHRIS BUHR, DALY CITY, CA; MARK MATTEUCCI, BURLINGAME, CA; NORBERT W.  
BISCHOFBERGER, SAN CARLOS, CA; BRIAN FROEHLER, BELMONT, CA.

\*\*CONTINUING DATA\*\*\*\*\*  
VERIFIED

\*\*FOREIGN/PCT APPLICATIONS\*\*\*\*\*  
VERIFIED

FOREIGN FILING LICENSE GRANTED 04/16/91

\*\*\*\*\* SMALL ENTITY \*\*\*\*\*

STATE OR  
COUNTRY

CA

SHEETS  
DRAWING

0

TOTAL  
CLAIMS

26

INDEPENDENT  
CLAIMS

2

FILING FEE  
RECEIVED

\$ 435.00

ATTORNEY DOCKET NO.

4610-0027

ADDRESS

IRELL & MANELLA  
545 MIDDLEFIELD ROAD, STE 200  
MENLO PARK, CA 94025-3471

TITLE

METHYLENE PHOSPHONATE OLIGONUCLEOTIDE ANALOGS AND NUCLEOSIDES

This is to certify that annexed hereto is a true copy from the records of the United States  
Patent and Trademark Office of the application as originally filed which is identified above.

By authority of the  
COMMISSIONER OF PATENTS AND TRADEMARKS

Date

Certifying Officer